

835
R-F POWER AMPLIFIER, A-F POWER AMPLIFIER, MODULATOR

Filament	Thoriated Tungsten	
Voltage	10	a-c or d-c volts
Current	3.25	amp.
Amplification Factor	12	
Direct Interelectrode Capacitances:		
Grid to Plate	9.25	μμf
Grid to Filament	6	μμf
Plate to Filament	5	μμf
Maximum Overall Length		7-7/8"
Maximum Diameter		2-5/16"
Bulb		T-18
Base		Jumbo 4-Pin
RCA Socket (Type UT-541-A)		Stock No.9936

For additional data, see Type 211. The 211 and the 835 are identical except for interelectrode capacitances.

Data on operating frequencies for the 835 are given on the sheet TRANS. TUBE RATINGS vs FREQUENCY.

836
HALF-WAVE HIGH-VACUUM RECTIFIER

Heater	Coated Unipotential Cathodes*	
Voltage	2.5	a-c volts
Current	5.0	amp.
Maximum Overall Length		6-9/16"
Maximum Diameter		2-7/16"
Bulb		ST-19
Cap		Medium
Base		Medium 4-Pin, Bayonet
RCA Socket (Type UR-542-A)		Stock No.9937

Maximum Ratings Are Absolute Values

MAXIMUM RATINGS

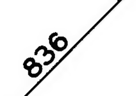
Peak Inverse Plate Voltage	5000 max. volts
Peak Plate Current	1.0 max. amp.
Average Plate Current	0.25 max. amp.

* The cathodes should be allowed to come up to operating temperature before plate current is drawn from the tube. For average conditions the delay is approximately 40 seconds.

The 836 has two separate cathodes each of which is connected to its respective heater. Plate circuit return should be made to the center-tap of the heater transformer.

→ Indicates a change.

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.





836

HALF-WAVE HIGH VACUUM RECTIFIER

AVERAGE PLATE CHARACTERISTIC

TYPE 836
Ef = 2.5 VOLTS

PLATE MILLIAMPERES
PLATE VOLTS D.C.
92C-4488

2 7/16" MAX.
1 9/16" MAX.
CAP .550"-.576" DIA.
1/2"
5 15/16" MAX.
6 9/16" MAX.
ST19 BULB
MEDIUM 4-PIN BAYONET BASE
92C-4479R4

TUBE MOUNTING POSITION
Any

BOTTOM VIEW OF SOCKET CONNECTIONS

Pin 1 - Heater & Cathode
Pin 2 - No Connection
Pin 3 - No Connection
Pin 4 - Heater & Cathode
Cap - Plate

AA'=PLANE OF ELECTRODES

← Indicates a change.

Dec. 1, 1942 DATA

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